

CLAIMS

What is claimed is:

1. A sealed container with enclosed opening means comprising an elongated tubular housing with a sealed end and an open end, a liquid enclosed within the elongated tubular housing near the sealed end, an enclosed opening means disposed inside the elongated tubular housing sealing the liquid within the elongated tubular housing wherein the opening means may be operated to release the liquid from the elongated tubular housing.
2. A sealed container with enclosed opening means as in claim 1, wherein said enclosed opening means comprises of a cylinder with an outside diameter approximately that of the inside diameter of said elongated tubular housing defining a liquid flow path from the liquid to the open end of said elongated tubular housing and an elongated protrusion that is separable from the cylinder extending from an end of the cylinder near the liquid and sealing the liquid flow path.
3. A sealed container with enclosed opening means as in claim 1, wherein said enclosed opening means comprises of a hollow cylindrical body with an open end disposed toward the liquid and a sealed end with an elongated member extending therefrom to the open end of the elongated tubular housing with a frangible section formed on the hollow cylindrical body near the sealed end of the hollow cylindrical body.
4. A sealed container with enclosed opening means as in claim 1, wherein said enclosed opening means comprises of a deformable cup.
5. A sealed container with enclosed opening means as in claim 1, wherein said enclosed opening means comprises of a deformable sphere.

6. A sealed container with enclosed opening means as in claim 1, wherein said enclosed opening means comprises of a plug that is fracturable at a fracture surface wherein said plug has one or more holes extending from each end of the plug that extend pass the fracture surface without passing through the other end of the plug wherein upon bending of the tubular housing at or near the plug the plug will fracture at said fracture surface and one or more liquid flow paths are formed leading from the liquid to the open end of the tubular housing.

7. A sealed container with enclosed opening means as in claim 6, wherein said plug may also be fracturable or separable when it is twisted wherein when the tubular housing is twisted at the opening means to open the liquid flow path.

8. A sealed container with enclosed opening means as in claim 1, wherein said enclosed opening means comprises of a cylindrical section with a reduced outside diameter waist section and two ends with outside diameters approximately that of the inside diameter of the tubular housing wherein said cylindrical section defines a through hole in its axial direction forming a liquid flow path from the liquid to the open end of the tubular housing and an elongated member affixed to the sealed end of said tubular housing and extending into the hole in the cylindrical section thereby sealing the hole and the liquid flow path wherein when the tubular housing is bent or pulled at or near the cylindrical section the elongated member will be pulled out of the hole in the cylindrical section and the liquid flow path from the liquid to the open end of the tubular housing is exposed.

9. A sealed container with enclosed opening means as in claim 1, wherein said enclosed opening means comprises of two circular discs with approximately the same cross-section as the inside diameter of the tubular housing and with sufficient thickness to prevent them from flipping inside the tubular housing wherein each circular disc has one or more holes

through it positioned such that when the two circular discs are placed next to each other in the tubular housing the holes in each circular disc will be covered by the other disc thereby all the holes in both circular discs are sealed by the other circular disc and when the tubular housing is bent at or near the two circular discs the deformation of the tubular housing will cause the two circular discs to separate from each other and a liquid flow path will result.

10. A sealed container with enclosed opening means as in claim 9, wherein said separation between the two circular discs is formed by twisting the tubular housing.

11. A sealed container with enclosed opening means as in claim 1, wherein said enclosed opening means comprises of a cylindrical section with sufficient length to prevent it from turning inside the tubular housing and with a diagonal slit formed diagonally from one end to the other with a thin section of material connecting the two halves of the cylindrical section and sealing the liquid in the tubular housing behind the cylindrical section wherein when the cylindrical section is compressed by squeezing the tubular housing the two halves of the cylindrical section will slide against each other and press together thereby reducing the cross-section of the cylindrical section to form a liquid flow path between the outside of the cylindrical section and the inside wall of the tubular housing to allow the liquid to be released from the tubular housing.

12. A sealed container with enclosed opening means as in claim 1, wherein said enclosed opening means comprises of a section of material with approximately the same diameter near its mid-section as the inside diameter of the tubular housing with a first end of the section of material formed in the form of two prongs that will act as handles wherein opposing forces can be applied by squeezing the two prongs toward each other and a second end of the section of material with a smaller cross-section than the inside diameter of the tubular housing

and a fracture surface formed from the second end to near where the two prongs at the first end are joined whereby when the two prongs are squeezed toward each other by squeezing the tubular housing, the section of material will fracture into two halves along the fracture surface along its longitudinal direction and open a liquid flow path through the section of material to allow the release of the liquid from the tubular housing.

13. A sealed container with enclosed opening means as in claim 1, wherein said enclosed opening means comprises of an elongated cup with a diameter approximately that of the inside diameter of the tubular housing and a length that is longer than the diameter with a closed end terminate in an elongated protrusion with a fracture line formed around the elongated protrusion positioned along the elongated cup at a point where when the elongated protrusion is fractured an opening will be formed at the closed end of the elongated cup whereby said elongated cup is inserted into the tubular housing to seal the liquid within the tubular housing wherein upon bending the tubular housing near the closed end of the elongated cup the elongated protrusion will fracture from the elongated cup at the fracture line and a liquid flow path is exposed to allow the liquid to be released from the tubular housing.

14. A sealed container with enclosed opening means comprising an elongated tubular housing with a sealed end and an open end, an elongated member affixed to said sealed end, a liquid enclosed within the elongated tubular housing near the sealed end, an enclosed opening means disposed inside the elongated tubular housing sealing the liquid within the elongated tubular housing wherein the opening means may be operated to release the liquid from the elongated tubular housing.

15. A sealed container with enclosed opening means as in claim 14, wherein said enclosed opening means comprises of a cylinder with an outside diameter approximately that of

the inside diameter of said elongated tubular housing defining a liquid flow path from the liquid to the open end of said elongated tubular housing and an elongated protrusion that is separable from the cylinder extending from an end of the cylinder near the liquid and sealing the liquid flow path.

16. A sealed container with enclosed opening means as in claim 14, wherein said enclosed opening means comprises of a hollow cylindrical body with an open end disposed toward the liquid and a sealed end with an elongated member extending therefrom to the open end of the elongated tubular housing with a frangible section formed on the hollow cylindrical body near the sealed end of the hollow cylindrical body.

17. A sealed container with enclosed opening means as in claim 14, wherein said enclosed opening means comprises of a deformable cup.

18. A sealed container with enclosed opening means as in claim 14, wherein said enclosed opening means comprises of a deformable sphere.

19. A sealed container with enclosed opening means as in claim 14, wherein said enclosed opening means comprises of a plug that is fracturable at a fracture surface wherein said plug has one or more holes extending from each end of the plug that extend pass the fracture surface without passing through the other end of the plug wherein upon bending of the tubular housing at or near the plug the plug will fracture at said fracture surface and one or more liquid flow paths are formed leading from the liquid to the open end of the tubular housing.

20. A sealed container with enclosed opening means as in claim 19, wherein said plug may also be fracturable or separable when it is twisted wherein when the tubular housing is twisted at the opening means to open the liquid flow path.

21. A sealed container with enclosed opening means as in claim 14, wherein said enclosed opening means comprises of a cylindrical section with a reduced outside diameter waist section and two ends with outside diameters approximately that of the inside diameter of the tubular housing wherein said cylindrical section defines a through hole in its axial direction forming a liquid flow path from the liquid to the open end of the tubular housing and an elongated member affixed to the sealed end of said tubular housing and extending into the hole in the cylindrical section thereby sealing the hole and the liquid flow path wherein when the tubular housing is bent or pulled at or near the cylindrical section the elongated member will be pulled out of the hole in the cylindrical section and the liquid flow path from the liquid to the open end of the tubular housing is exposed.

22. A sealed container with enclosed opening means as in claim 14, wherein said enclosed opening means comprises of two circular discs with approximately the same cross-section as the inside diameter of the tubular housing and with sufficient thickness to prevent them from flipping inside the tubular housing wherein each circular disc has one or more holes through it positioned such that when the two circular discs are placed next to each other in the tubular housing the holes in each circular disc will be covered by the other disc thereby all the holes in both circular discs are sealed by the other circular disc and when the tubular housing is bent at or near the two circular discs the deformation of the tubular housing will cause the two circular discs to separate from each other and a liquid flow path will result.

23. A sealed container with enclosed opening means as in claim 22, wherein said separation between the two circular discs is formed by twisting the tubular housing.

24. A sealed container with enclosed opening means as in claim 14, wherein said enclosed opening means comprises of a cylindrical section with sufficient length to prevent it

from turning inside the tubular housing and with a diagonal slit formed diagonally from one end to the other with a thin section of material connecting the two halves of the cylindrical section and sealing the liquid in the tubular housing behind the cylindrical section wherein when the cylindrical section is compressed by squeezing the tubular housing the two halves of the cylindrical section will slide against each other and press together thereby reducing the cross-section of the cylindrical section to form a liquid flow path between the outside of the cylindrical section and the inside wall of the tubular housing to allow the liquid to be released from the tubular housing.

25. A sealed container with enclosed opening means as in claim 14, wherein said enclosed opening means comprises of a section of material with approximately the same diameter near its mid-section as the inside diameter of the tubular housing with a first end of the section of material formed in the form of two prongs that will act as handles wherein opposing forces can be applied by squeezing the two prongs toward each other and a second end of the section of material with a smaller cross-section than the inside diameter of the tubular housing and a fracture surface formed from the second end to near where the two prongs at the first end are joined whereby when the two prongs are squeezed toward each other by squeezing the tubular housing, the section of material will fracture into two halves along the fracture surface along its longitudinal direction and open a liquid flow path through the section of material to allow the release of the liquid from the tubular housing.

26. A sealed container with enclosed opening means as in claim 14, wherein said enclosed opening means comprises of an elongated cup with a diameter approximately that of the inside diameter of the tubular housing and a length that is longer than the diameter with a closed end terminate in an elongated protrusion with a fracture line formed around the elongated

protrusion positioned along the elongated cup at a point where when the elongated protrusion is fractured an opening will be formed at the closed end of the elongated cup whereby said elongated cup is inserted into the tubular housing to seal the liquid within the tubular housing wherein upon bending the tubular housing near the closed end of the elongated cup the elongated protrusion will fracture from the elongated cup at the fracture line and a liquid flow path is exposed to allow the liquid to be released from the tubular housing.

27. A sealed container with enclosed opening means comprising an elongated tubular housing with a sealed end and an open end, an elongated member affixed to said sealed end, a liquid enclosed within the elongated tubular housing near the sealed end, an enclosed opening means with an elongated member disposed inside the elongated tubular housing sealing the liquid within the elongated tubular housing with the elongated member extending towards the open end of the elongated tubular housing wherein the opening means may be operated to release the liquid from the elongated tubular housing.

28. A sealed container with enclosed opening means as in claim 27, wherein said enclosed opening means comprises of a cylinder with an outside diameter approximately that of the inside diameter of said elongated tubular housing defining a liquid flow path from the liquid to the open end of said elongated tubular housing and an elongated protrusion that is separable from the cylinder extending from an end of the cylinder near the liquid and sealing the liquid flow path.

29. A sealed container with enclosed opening means as in claim 27, wherein said enclosed opening means comprises of a hollow cylindrical body with an open end disposed toward the liquid and a sealed end with an elongated member extending therefrom to the open

end of the elongated tubular housing with a frangible section formed on the hollow cylindrical body near the sealed end of the hollow cylindrical body.

30. A sealed container with enclosed opening means as in claim 27, wherein said enclosed opening means comprises of a deformable cup.

31. A sealed container with enclosed opening means as in claim 27, wherein said enclosed opening means comprises of a deformable sphere.

32. A sealed container with enclosed opening means as in claim 27, wherein said enclosed opening means comprises of a plug that is fracturable at a fracture surface wherein said plug has one or more holes extending from each end of the plug that extend pass the fracture surface without passing through the other end of the plug wherein upon bending of the tubular housing at or near the plug the plug will fracture at said fracture surface and one or more liquid flow paths are formed leading from the liquid to the open end of the tubular housing.

33. A sealed container with enclosed opening means as in claim 32, wherein said plug may also be fracturable or separable when it is twisted wherein when the tubular housing is twisted at the opening means to open the liquid flow path.

34. A sealed container with enclosed opening means as in claim 27, wherein said enclosed opening means comprises of a cylindrical section with a reduced outside diameter waist section and two ends with outside diameters approximately that of the inside diameter of the tubular housing wherein said cylindrical section defines a through hole in its axial direction forming a liquid flow path from the liquid to the open end of the tubular housing and an elongated member affixed to the sealed end of said tubular housing and extending into the hole in the cylindrical section thereby sealing the hole and the liquid flow path wherein when the tubular housing is bent or pulled at or near the cylindrical section the elongated member will be

pulled out of the hole in the cylindrical section and the liquid flow path from the liquid to the open end of the tubular housing is exposed.

35. A sealed container with enclosed opening means as in claim 27, wherein said enclosed opening means comprises of two circular discs with approximately the same cross-section as the inside diameter of the tubular housing and with sufficient thickness to prevent them from flipping inside the tubular housing wherein each circular disc has one or more holes through it positioned such that when the two circular discs are placed next to each other in the tubular housing the holes in each circular disc will be covered by the other disc thereby all the holes in both circular discs are sealed by the other circular disc and when the tubular housing is bent at or near the two circular discs the deformation of the tubular housing will cause the two circular discs to separate from each other and a liquid flow path will result.

36. A sealed container with enclosed opening means as in claim 35, wherein said separation between the two circular discs is formed by twisting the tubular housing.

37. A sealed container with enclosed opening means as in claim 27, wherein said enclosed opening means comprises of a cylindrical section with sufficient length to prevent it from turning inside the tubular housing and with a diagonal slit formed diagonally from one end to the other with a thin section of material connecting the two halves of the cylindrical section and sealing the liquid in the tubular housing behind the cylindrical section wherein when the cylindrical section is compressed by squeezing the tubular housing the two halves of the cylindrical section will slide against each other and press together thereby reducing the cross-section of the cylindrical section to form a liquid flow path between the outside of the cylindrical section and the inside wall of the tubular housing to allow the liquid to be released from the tubular housing.

38. A sealed container with enclosed opening means as in claim 27, wherein said enclosed opening means comprises of a section of material with approximately the same diameter near its mid-section as the inside diameter of the tubular housing with a first end of the section of material formed in the form of two prongs that will act as handles wherein opposing forces can be applied by squeezing the two prongs toward each other and a second end of the section of material with a smaller cross-section than the inside diameter of the tubular housing and a fracture surface formed from the second end to near where the two prongs at the first end are joined whereby when the two prongs are squeezed toward each other by squeezing the tubular housing, the section of material will fracture into two halves along the fracture surface along its longitudinal direction and open a liquid flow path through the section of material to allow the release of the liquid from the tubular housing.

39. A sealed container with enclosed opening means as in claim 27, wherein said enclosed opening means comprises of an elongated cup with a diameter approximately that of the inside diameter of the tubular housing and a length that is longer than the diameter with a closed end terminate in an elongated protrusion with a fracture line formed around the elongated protrusion positioned along the elongated cup at a point where when the elongated protrusion is fractured an opening will be formed at the closed end of the elongated cup whereby said elongated cup is inserted into the tubular housing to seal the liquid within the tubular housing wherein upon bending the tubular housing near the closed end of the elongated cup the elongated protrusion will fracture from the elongated cup at the fracture line and a liquid flow path is exposed to allow the liquid to be released from the tubular housing.